

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	14	("20030217763"   "4986347"   "5539549"   "5659915"   "5935283"   "6090208"   "6263535").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/21 16:34
S3	12	("0615427"   "1145626"   "2157493"   "4964921"   "5045289"   "5966767").PN. OR ("6263535").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:43
S4	2173	15/405-407,104.16. ocls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:46
S5	2	S4 and (wet adj scrubber\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:46
S6	8	S4 and (scrubber\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:50
S7	6	S6 not S5	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:50
S8	12	("0615427"   "1145626"   "2157493"   "4964921"   "5045289"   "5966767").PN. OR ("6263535").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:50
S9	1	(clog\$4 and pipe and scraper and heat\$4 and inject\$4).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:51
S10	18	(clog\$4 and pipe and heat\$4 and inject\$4). clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 16:52
S11	7	("20030217763"   "4986347"   "5539549"   "5659915"   "5935283"   "6090208"   "6263535").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/22 09:14
S12	1	08/778386.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/22 09:17
S13	7	("1690434"   "3410335"   "4315541").PN. OR ("4986347").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/22 09:53

S14	1	10/578802.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 11:21
S15	74	((pipe\$2 and (scrape\$2 scrub\$3 clean\$4)).ti.) and ((hot heated) near3 (gas gasses))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/12 14:42
S16	2	"6217640".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/12 15:02
S17	9	("5716428"   "5855822"   "5972078"   "6090183").PN. OR ("6217640").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:03
S18	2	"4986347".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/12 15:03
S19	7	("1690434"   "3410335"   "4315541").PN. OR ("4986347").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:04
S20	281	semiconductor and ((scrape\$3 scraping scrub\$4 clean\$4) near4 (pipe pipes)) and ((hot heated) near3 (gas gasses))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:13
S21	79	semiconductor and ((scrape\$3 scraping scrub\$4 clean\$4) near4 (pipe pipes)) and ((hot heated) near3 (gas gasses)) and (pneumatic\$4 hydraulic \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:13
S22	234	scrubber and ((scrape \$3 scraping clean\$4) near4 (pipe pipes)) and ((hot heated) near3 (gas gasses)) and (pneumatic\$4 hydraulic\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:20
S23	15	scrubber and ((scrape \$3 scraping clean\$4) near4 (pipe pipes)) and ((hot heated) near3 (gas gasses)) and (pneumatic\$4 hydraulic\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:20

S24	15	("3888955"   "3918917"   "4054424"   "4083607"   "4172708"   "4479809"   "5252007"   "5846275").PN. OR ("5935283").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:23
S25	550	55/431.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:46
S26	786	55/423,433.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:46
S27	50	55/428.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:46
S28	30	S25 and S26	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:47
S29	984	55/432,433.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:48
S30	48	S25 and S29	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:48
S31	36	S30 not S28	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:48
S32	66	(S30 S28) not S27	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:52
S33	50	S27 not (S30 S28)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:52
S34	1102	15/104.16.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:52
S35	244	15/104.068.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:53
S36	5	(S34 S35) and ((hot heated) near2 (gas gasses))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:53
S37	5	S34 and (semiconductor \$2 (wet adj scrubber \$2) (waste adj (gas gasses)))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:55
S38	4551222	GB "2342372""	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/25 17:02
S39	2	"GB 2342372"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/25 17:02
S40	1	10/578802.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/09 11:51

S41	13	(US-5659915-\$ or US-6263535-\$ or US-5966767-\$ or US-6676767-\$ or US-5935283-\$ or US-6217640-\$ or US-4986347-\$ or US-4315541-\$ or US-6090183-\$ or US-5846275-\$ or US-7316721-\$).did. or (GB-2342372-\$).did. or (DD-291487-\$).did.	USPAT; EPO; DERWENT	OR	OFF	2009/11/09 11:57
S42	5	S41 and (helic\$4 channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/09 12:12
S43	15	("0496757"   "1080408"   "1770208"   "3384161"   "3801286").PN. OR ("4315541").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/09 12:28
S44	1	((helical near2 channel) coil coils) and (96/376.ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 10:11
S45	81	((helical near2 channel) coil coils) and (55/428.1,431-433. ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 10:12
S46	14	((((helical near2 channel) coil coils) with (inject\$4 gas gasses nitrogen compress\$4 pressuriz\$4)) and (55/428.1,431-433. ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 10:15
S47	2	((pipe\$2 and (scrape\$2 scrub\$3 clean\$4)).ti.) and (((hot heated) near3 (gas gasses)) same ((helical near2 channel) coil coils))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/10 10:29
S48	2212	15/405-407,104.16. ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 10:31
S49	24	((((helical near2 channel) coil coils) with (inject\$4 gas gasses nitrogen compress\$4 pressuriz\$4)) and (S48)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 10:31

S50	41	((helical near2 channel) coil coils) with (inject\$4 gas gases nitrogen compress\$4 pressuriz\$4)) and (165/94,109,95.ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 10:35
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**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(clog\$4 and pipe and inject\$4 and scrape\$4 and shaft).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/11 11:04
L2	120	15/405-407,104.16.ccls.	US-PGPUB	OR	OFF	2009/11/11 11:04
L3	1	(clog\$4 and pipe and inject\$4 and scrape\$4 and shaft).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/11 11:05

11/11/09 11:07:41 AM

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